

Title (en)  
SYSTEMS AND METHODS FOR REAGENT STORAGE

Title (de)  
SYSTEME UND VERFAHREN ZUR REAGENZLAGERUNG

Title (fr)  
SYSTÈMES ET PROCÉDÉS DE STOCKAGE DE RÉACTIF

Publication  
**EP 3089821 B1 20210825 (EN)**

Application  
**EP 14821641 A 20141222**

Priority  
• US 201314144047 A 20131230  
• EP 2014078996 W 20141222

Abstract (en)  
[origin: US2015182963A1] A microfluidic device for storing a reagent includes a single unit includes a first portion having a reagent storage chamber configured to hold a reagent. The device also includes a second portion having a reaction chamber configured to support the reagent during a reaction process to form a product. The device also includes a valve configured to isolate the reagent storage compartment from the reaction chamber when the valve is in a closed state.

IPC 8 full level  
**F16K 99/00** (2006.01); **B01J 19/00** (2006.01); **B01L 3/00** (2006.01)

CPC (source: EP US)  
**B01J 19/0093** (2013.01 - EP US); **B01L 3/502715** (2013.01 - EP US); **B01L 3/523** (2013.01 - EP US); **F16K 99/0015** (2013.01 - EP US); **F16K 99/003** (2013.01 - EP US); **B01J 2219/00783** (2013.01 - EP US); **B01J 2219/00873** (2013.01 - EP US); **B01J 2219/00889** (2013.01 - EP US); **B01J 2219/00894** (2013.01 - EP US); **B01J 2219/00961** (2013.01 - EP US); **B01J 2219/00963** (2013.01 - EP US); **B01J 2219/00966** (2013.01 - EP US); **B01J 2219/00986** (2013.01 - EP US); **B01L 2200/028** (2013.01 - EP US); **B01L 2200/04** (2013.01 - EP US); **B01L 2200/12** (2013.01 - EP US); **B01L 2200/16** (2013.01 - EP US); **B01L 2300/0887** (2013.01 - EP US); **B01L 2300/16** (2013.01 - EP US); **B01L 2400/0638** (2013.01 - EP US); **B01L 2400/0683** (2013.01 - EP US); **F16K 2099/0084** (2013.01 - EP US); **Y10T 156/10** (2015.01 - EP US)

Citation (examination)  
• US 2008145286 A1 20080619 - MALTEZOS GEORGE [US], et al  
• US 2004241042 A1 20041202 - PUGIA MICHAEL J [US], et al

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**US 10076751 B2 20180918**; **US 2015182963 A1 20150702**; CN 106061608 A 20161026; CN 106061608 B 20190910; EP 3089821 A1 20161109; EP 3089821 B1 20210825; JP 2017512645 A 20170525; JP 6648033 B2 20200214; WO 2015101539 A1 20150709

DOCDB simple family (application)  
**US 201314144047 A 20131230**; CN 201480076549 A 20141222; EP 14821641 A 20141222; EP 2014078996 W 20141222; JP 2016561076 A 20141222